

Voltas 173 IZI

Voltas 1.4 Ton 3 Star Split AC (Model 173 IZI) User Manual

Comprehensive guide for installation, operation, maintenance, and troubleshooting.

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1. PRODUCT OVERVIEW

This manual provides essential information for the safe and efficient operation of your Voltas 1.4 Ton 3 Star Split AC, Model 173 IZI. Please read it thoroughly before using the appliance and keep it for future reference.

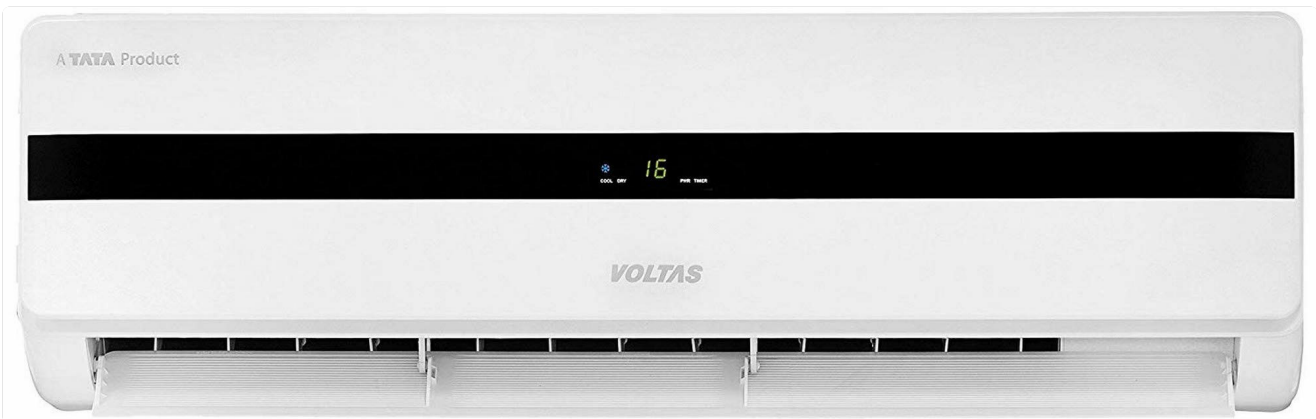


Image: Voltas 1.4 Ton 3 Star Split AC Indoor Unit. This image shows the sleek design of the indoor unit, typically mounted on a wall.

Key Features:

- **1.4 Ton Capacity:** Suitable for medium-sized rooms (111 to 150 sq ft).
- **3 Star Energy Rating:** Efficient energy consumption with an ISEER Value of 3.51.
- **Copper Condenser Coil:** Ensures better cooling performance and requires low maintenance.
- **Special Features:** Includes Anti-bacterial Filter, Dust Filter, and Dehumidifier for improved air quality.
- **High Ambient Cooling:** Designed to deliver effective cooling even at high ambient temperatures up to 50°C.
- **Self-Diagnosis:** Alerts users to operational faults for easier troubleshooting.

- **Sleep Mode:** Automatically adjusts temperature for comfortable sleep and energy saving.
- **Dual Display:** Shows both set temperature and room temperature simultaneously.

2. SAFETY INSTRUCTIONS

Read all safety warnings and instructions carefully to avoid electric shock, fire, or injury. Keep this manual in a safe place for future reference.

- **Electrical Safety:** Ensure the AC is connected to a dedicated power circuit with a proper grounding system. Do not use extension cords.
- **Installation:** Installation must be performed by qualified service personnel in accordance with national wiring standards. Improper installation can lead to fire, electric shock, or injury.
- **Maintenance:** Always disconnect power before cleaning or performing any maintenance. Do not attempt to repair the unit yourself. Contact authorized service personnel.
- **Children and Pets:** Keep children and pets away from the outdoor unit. Do not allow children to play with the appliance.
- **Ventilation:** Ensure proper ventilation around both indoor and outdoor units to prevent overheating.
- **Flammable Materials:** Do not place flammable materials or spray aerosols near the unit.
- **Water Exposure:** Do not expose the indoor unit to water. Avoid operating with wet hands.

3. SETUP & INSTALLATION

Professional installation is highly recommended for optimal performance and safety. The following points are crucial for proper setup:

Pre-Installation Site Readiness:

- A separate Miniature Circuit Breaker (MCB) of at least 25A and a 15A plug point must be provided.
- In areas with power fluctuations, a stabilizer with high voltage/low voltage cut-off is required.
- Ensure there is adequate provision for the outdoor unit, considering accessibility, safety, and necessary permissions.

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Video: This video provides a detailed guide on the pre-installation site readiness and what is covered under standard AC installation. It highlights requirements for electrical connections, stabilizer usage, and outdoor unit placement. It also clarifies what is not covered, such as extra wiring, core cutting, or old AC dismantling.

Standard Installation Coverage:

- Drilling on the wall to create a cavity/hole for routing pipes/tubes from indoor to outdoor unit.
- Installation of copper and drainage pipes, connecting indoor to outdoor unit using standard wire/pipe length provided by the manufacturer.
- Connection of separately purchased stabilizer and electrical connections to the AC unit.

- Cooling performance check and product demonstration.

Items Not Covered by Standard Installation (May incur additional charges):

- Wiring extension from electricity meter to installation site, power point/MCB fitting, and any other electrical work.
- Any extra copper wire length needed for installation, grill/glass cutting, and welding work.
- Core cutting.
- Dismantling or shifting of an old AC unit.

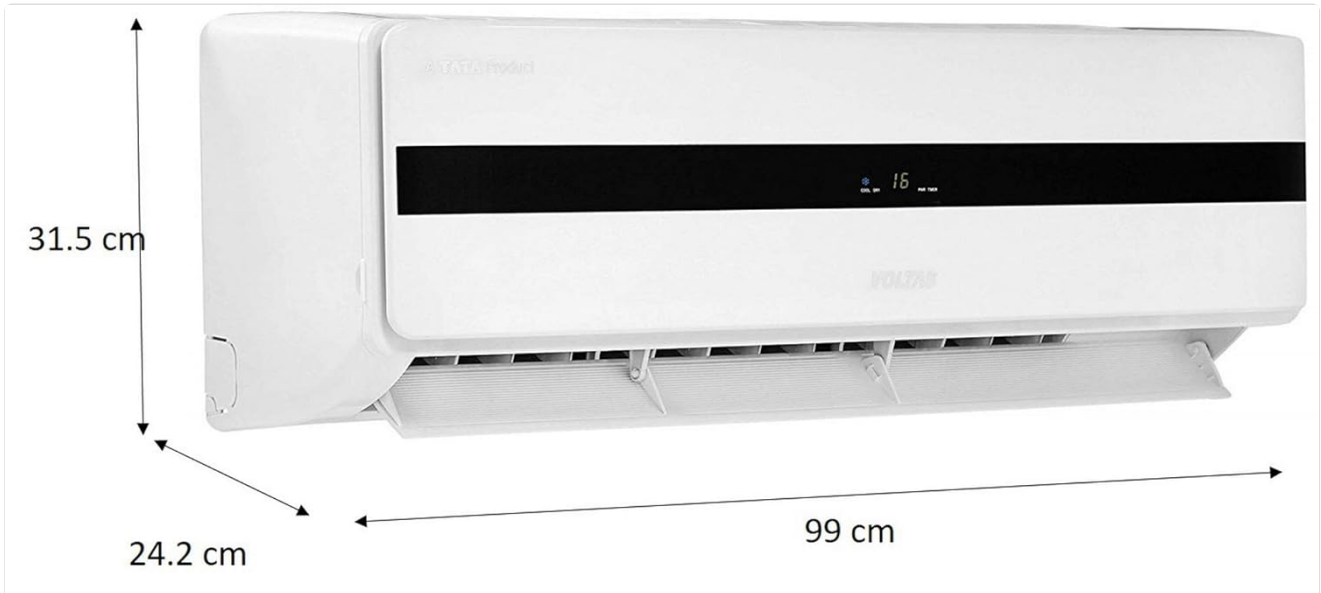


Image: Indoor unit with dimensions (Width: 99 cm, Height: 31.5 cm, Depth: 24.2 cm). This helps in planning the installation space.



Image: Outdoor unit with dimensions (Width: 87 cm, Height: 60 cm, Depth: 35.5 cm). This helps in planning the outdoor installation space.



Image: Connecting pipes and electrical wiring for the AC unit. These components are essential for linking the indoor and outdoor units.

4. OPERATING INSTRUCTIONS

Your Voltas AC is designed for user-friendly operation. Use the remote control to access various functions.





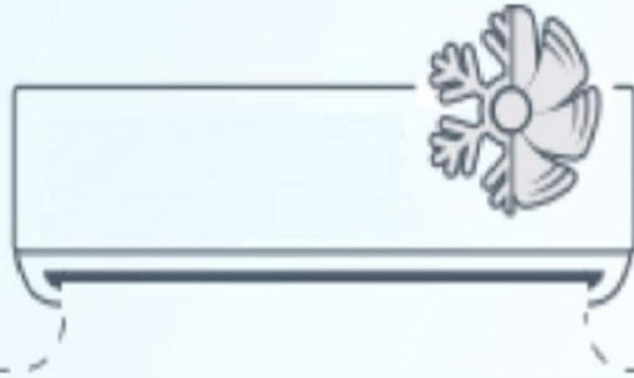
Image: Remote control for Voltas AC. This remote allows control over various settings like mode, fan speed, temperature, and special features.

Basic Operation:

- **Power On/Off:** Press the power button on the remote to turn the unit on or off.
- **Mode Selection:** Use the "MODE" button to cycle through cooling, fan, dry (dehumidifier), and auto modes.
- **Temperature Adjustment:** Use the "+" and "-" buttons to set your desired temperature. The dual display will show both set and room temperatures.
- **Fan Speed:** Adjust fan speed using the "FAN" button.
- **Swing Function:** Use "V.SWING" for vertical louver movement and "H.SWING" for horizontal louver movement to distribute air evenly.

Special Features:

- **Sleep Mode:** Activate "SLEEP" mode for automatic temperature adjustments during the night, ensuring comfort and energy savings.
- **Turbo Mode:** Use "TURBO" for rapid cooling.
- **Timer Function:** Set "TIMER ON" or "TIMER OFF" to program the unit to turn on or off at specific times.
- **Dehumidifier:** The built-in dehumidifier function helps reduce humidity levels in the room.



INSTANT COOLING



100% COPPER



ACTIVE DEHUMIDIFIER



SLEEP MODE



ADVANCED AIR PURIFICATION

Image: Visual representation of key features including Instant Cooling, 100% Copper, Active Dehumidifier, Sleep Mode, and Advanced Air Purification. These icons highlight the core functionalities of the AC unit.

5. MAINTENANCE

Regular maintenance ensures efficient operation and extends the lifespan of your AC unit. Always disconnect power before cleaning.

Filter Cleaning:

- The Anti-bacterial and Dust filters should be cleaned regularly (every 2-4 weeks, depending on usage and air quality).
- Open the front panel of the indoor unit and carefully remove the filters.
- Wash filters with lukewarm water and mild detergent. Rinse thoroughly and allow them to dry completely in a shaded area before reinserting.

Coil Cleaning:

- The copper condenser coil requires low maintenance but should be inspected annually by a professional.
- Dust and debris on the outdoor unit's coil can reduce efficiency. Gently clean with a soft brush or vacuum cleaner.

General Cleaning:

- Wipe the indoor unit's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the drainage pipe is clear and free from blockages to prevent water leakage.

6. TROUBLESHOOTING

Before contacting service, check the following common issues:

Problem	Possible Cause	Solution
AC not turning on	No power, remote batteries low, MCB tripped.	Check power supply, replace remote batteries, reset MCB.
Insufficient cooling	Dirty filters, blocked outdoor unit, wrong mode, room too large.	Clean filters, clear obstructions from outdoor unit, select cool mode, ensure room size is within capacity.
Water leakage from indoor unit	Blocked drainage pipe, improper installation.	Clear drainage pipe, contact service for re-installation check.
Unusual noise	Loose parts, fan obstruction, compressor issue.	Check for loose parts, remove obstructions, contact service if noise persists.
Bad odor from AC	Dirty filters, mold/mildew buildup.	Clean filters thoroughly, consider professional cleaning if odor persists.

If the self-diagnosis feature indicates an error or if issues persist after basic troubleshooting, please contact Voltas customer support.

7. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	Voltas
Model	173 IZI
Capacity	1.4 Tons
Energy Efficiency	3 Star
Annual Energy Consumption	1093.81 units
ISEER Value	3.51
Noise Level	43 Decibels

Feature	Detail
Installation Type	Split System
Condenser Coil	Copper
Special Features	Dehumidifier, Anti-bacterial Filter, Dust Filter
Refrigerant Gas	R22
Indoor Unit Dimensions (WxHxD)	990 x 315 x 242 mm
Outdoor Unit Dimensions (WxHxD)	870 x 600 x 355 mm
Power Supply	230 V / 50 Hz / 1 Phase
Material	Plastic
Included Components	1 Indoor Unit, 1 Outdoor Unit, Inter Connecting Pipe, 1 Remote, 3 Manuals, 1 Warranty Card

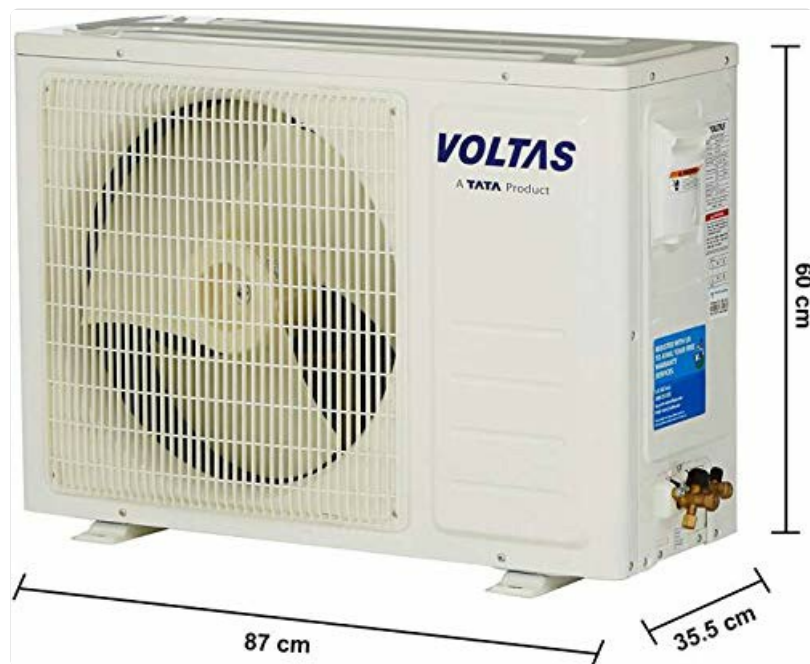


Image: Energy label for the Voltas 1.4 Ton 3 Star Split AC, showing an ISEER of 3.51 and annual energy consumption. This label provides important information about the appliance's energy efficiency.

8. WARRANTY & SUPPORT

Your Voltas 1.4 Ton 3 Star Split AC (Model 173 IZI) comes with the following warranty:

- **Product Warranty:** 1 year on the complete product.
- **Compressor Warranty:** 5 years on the compressor.

For any service requests, technical assistance, or warranty claims, please contact Voltas customer care. Ensure you

have your purchase details and model number (173 IZI) ready.

You can also refer to the official Voltas website for the latest support information and service center locations:

www.voltas.com

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Video: This video explains the process of scheduling delivery and installation for appliances purchased on Amazon. It covers selecting delivery dates, receiving notifications, open box inspection, and how installation requests are raised with the brand. It also advises on ensuring someone is present for delivery and installation.